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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:

Skin Irrit.2,H315; Skin Sens.1,H317; Eye Irrit.2,H319; Respiratory irritation.3,H335;Aquatic chronic.3,H412

### 2.2. Label elements

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms:**

**Signal Word:**

**Hazard statements:**

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H412 Harmful to aquatic life with long lasting effects

**Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye Protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water and soap.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313: Get medical advice if you feel unwell.

P321: Specific treatment (see on MSDS)

P333+P313: In case of skin irritation or rash or injuries: Seek medical advice/attention and avoid the product

P335+313: IF ON SKIN get medical advice.

P337+313: If eye irritation persists: Get medical advice.

P362: Take off contaminated clothing.

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents to disposal.

P503: Refer to manufacturer/ supplier/... for information on disposal/recovery/ recycling

**2.3. Other hazards**

No particular dangers to mention.

**SECTION 3: Composition / information on ingredients****Composition/information on ingredients**

| Material:                                            | CAS-No.:     | Concentration: | Classification: EC 1272/2008 (CLP): |
|------------------------------------------------------|--------------|----------------|-------------------------------------|
| Aliphatic Urethane Acrylate                          |              | 25-50%         | H315, H317, H319                    |
| Pentaerythritol Ethoxylated Esters with acrylic acid | 51728-26-8   | 10-25%         | H315, H317, H412                    |
| Urethane Acrylate                                    |              | 10-25%         |                                     |
| Pentaerythrityl Tetraacrylate                        | 1245638-61-2 | 5-10%          |                                     |

|                                                                                               |             |       |                              |
|-----------------------------------------------------------------------------------------------|-------------|-------|------------------------------|
| Benzyl methacrylate                                                                           | 2495-37-6   | 5-10% | H315, H317, H319, H335, H412 |
| di-p-tolyl (2,4,6-trimethylbenzoyl) phosphine oxide                                           | 270586-78-2 | 1-5%  |                              |
| Benzoyl Isopropanol                                                                           | 7473-98-5   | 1-5%  |                              |
| Silica Caprylyl Silylate                                                                      | 92797-60-9  | 1-5%  |                              |
| Isobornylacrylate                                                                             | 5888-33-5   | 1-5%  | H315, H317, H319, H335       |
| PEG-3 Trimethylolpropane triacrylate                                                          | 28961-43-5  | 1-5%  | H317, H319, H412             |
| CI 77891                                                                                      | 13463-67-7  | 1-5%  |                              |
| Dibenzyl ether                                                                                | 103-50-4    | <1%   |                              |
| BHT                                                                                           | 128-37-0    | <1%   |                              |
| p-Hydroxyanisole                                                                              | 150-76-5    | <1%   | H317                         |
| CI 77510                                                                                      | 12240-15-2  | <1%   |                              |
| PPG-3 Glyceryl ether triacrylate                                                              | 52408-84-1  | <1%   |                              |
| 2-Oxepanone, polymer with tetrahydro-2H-pyran-2-one, 2-2(-butoxyethoxy)ethyl ester, phosphate |             | <1%   |                              |
| Isopropylidenediphenyl Bisoxyhydroxypropyl Acrylate                                           |             | <1%   |                              |
| Aluminum Tris-Hydroxynitrosoaniline                                                           |             | <1%   |                              |
| Silica Dimethyl Silylate                                                                      | 68611-44-9  | <1%   |                              |
| Urethane Methacrylate                                                                         |             | <1%   |                              |
| Hydroxypropyl Methacrylate                                                                    | 27813-02-1  | <1%   |                              |
| CI 60725                                                                                      | 81-48-1     | <1%   |                              |
| CI 19140                                                                                      | 12225-21-7  | <1%   |                              |
| CI 77499                                                                                      | 12227-89-3  | <1%   |                              |
| Silica Silylate                                                                               |             | <1%   |                              |

(Full text of H- and EUH-phrases: see section 16.)

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- General information:** In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off contaminated, soaked clothes immediately
- Following inhalation:** There are no special steps required. If symptoms persist, consult a doctor.
- Following skin contact:** After contact with skin, wash immediately with plenty of soap and water. In case of skin irritation consult a doctor.
- After eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes with the eyelid wide open. If symptoms persist, consult a doctor.
- After ingestion:** Rinse mouth with plenty of water and drink a lot. If symptoms persist, consult a doctor
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Water spray  
Water jet  
Carbon dioxide (CO<sub>2</sub>)  
Foam  
Dry chemical

**Unsuitable extinguishing media:** None

### 5.2. Special hazards arising from the substance or mixture

None

### **5.3. Advice for firefighters**

#### **General information**

Extinguishing measures to suit the environment

#### **Special protective equipment for firefighters:**

In case of fire: Use self-contained breathing apparatus.

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## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

There are no special steps required

### **6.2. Environmental precautions**

There are no special steps required

### **6.3. Methods and material for containment and cleaning up**

There are no special steps required

### **6.4. Reference to other sections**

There are no special steps required

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advices on safe handling**

Avoid contact with eyes

#### **Precautions against fire and explosion**

No special fire protection measures are required

### **7.2. Conditions for safe storage, including any incompatibilities**

### **Requirements for storage rooms and vessels**

Protect from extreme temperatures. Avoid direct sunlight

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Remark:**

Contains no substances in quantities above the concentration limit for which an occupational exposure limit has been established.

### **8.2. Exposure controls**

#### **Occupational exposure controls**

None

#### **General protection and hygiene measures**

Do not eat, drink, smoke or sniff at the workplace.  
Wash hands before breaks and at the end of work.  
Use skin care products after work.  
Dirty clothes should be washed before reuse

#### **Personal protection equipment**

Only wear suitable, comfortable and clean protective clothing.

#### **Respiratory protection**

Respiratory protection not required

#### **Hand protection**

Wear suitable protective gloves:  
Vinyl, or rubber gloves

#### **Eye/face protection**

Wear safety glasses

#### **Body protection**

Suitable body protection: overall to avoid skin contact.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                  |                |
|------------------|----------------|
| Physical state:  | Liquid         |
| Colour:          | Blue           |
| Odour:           | Characteristic |
| Odour threshold: | None           |

#### Safety relevant basis data

|                                          | Parameter | Value | Unit | Remark |
|------------------------------------------|-----------|-------|------|--------|
| pH:                                      |           |       |      |        |
| Melting point/freezing point:            |           | n.a.  |      |        |
| Initial boiling point and boiling range: |           | n.a.  |      |        |
| Flash point:                             |           | n.a.  |      |        |
| Evaporation rate:                        |           | n.a.  |      |        |
| Flammability (solid, gas):               |           | n.a.  |      |        |
| Explosive properties:                    |           | n.a.  |      |        |
| Lower flammability or explosive limits:  |           | n.a.  |      |        |
| Upper flammability or explosive limits:  |           | n.a.  |      |        |
| Vapour pressure:                         |           | n.a.  |      |        |
| Vapour density:                          |           | n.a.  |      |        |
| Relative density:                        |           | n.a.  |      |        |
| Density:                                 |           | n.a.  |      |        |
| Solubility(ies):                         |           | n.a.  |      |        |
| Water solubility:                        |           | n.a.  |      |        |
| Fat solubility:                          |           | n.a.  |      |        |
| Partition coefficient: n-octanol/water:  |           | n.a.  |      |        |
| Auto-ignition temperature:               |           | n.a.  |      |        |
| Decomposition temperature:               |           | n.a.  |      |        |
| Viscosity:                               |           | n.a.  |      |        |

**Oxidising properties:** n.a.

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## **SECTION 10: Stability and reactivity**

### **Conditions to avoid**

Direct UV / Sunlight, exteme temperatures, open flames, strong oxidizers, strong acids.

### **10.5. Incompatible materials**

Alkalis / Metal / Peroxides

### **10.6. Hazardous decomposition products**

Not known

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

There is no data for the preparation.

#### **Skin corrosion/irritation**

Not irritating

#### **Serious eye damage/irritation**

Not irritating

#### **Respiratory or skin sensitisation**

Can cause sensitization to sensitive people

#### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carcinogenicity

No evidence of carcinogenicity on humans.

Germ cell mutagenicity

There are no indications of germ cell mutagenicity on humans

Reproductive toxicity

There are no indications of reproductive toxicity on humans

**STOT-single exposure**

The following symptoms may occur

Corneal opacity / Cough

**STOT-repeated exposure**

None

**Aspiration hazard**

Not irritating

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**SECTION 12: Ecological information**

Avoid release to the environment

No relevant environmental data known

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal/Product:**

Dispose according to EC Directives 75/442 / EEC and 91/689 / EEC on waste and on hazardous waste in their current versions. Can be disposed of on a landfill.

**Appropriate disposal / Package:**

Non-contaminated and emptied packaging can be recycled. Contaminated packaging should be handled like the substance.

## SECTION 14: Transport information

### 14.2. UN proper shipping name

#### ADR / RID

No dangerous good as defined in the transport regulations

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## SECTION 15: Regulatory information

### 15.1. Classification

This product is classified and adapted to EC directives

#### National regulations

Observe in addition any national regulations!

Water Hazard class: class 1

Only for professional use!

Pay Attention to the application instructions!

### 15.2. Chemical Safety Assessment

**A chemical safety assessment has been carried out for this substance:**

No chemical safety assessment is required for this substance

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## SECTION 16: Other information

#### Relevant H- and EUH-phrases (Number and full text)

##### Hazard statements

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H412 Harmful to aquatic life with long lasting effects

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